one dollar seventy-five cents

Radio Shack®

Amateur CB/SWL Radio Station Log Book

Name VPSD/VPSDYL

Book No.

From 4-30-81

To 7/81 Approx

LOG IDENTIFICATION

The call of this station is_____ ☐ Amateur Radio ☐ Citizens Radio. In this Log the call letters may be identified with an "X". Unless indicated otherwise (in the Remarks column). the Operator is _____. Time is recorded in_____Time. The location(s)

(Your Signature)

of this station is:_____.

This log is for multiple use and application. You can use it for Amateur Radio (Ham), Citizens Radio (CB) or Short Wave Listening. It has been organized so you can use it for any or all of these applications.

Amateur Radio Operators **must** keep an accurate log of all transmission activity. Many CBers voluntarily keep a log. Most Short Wave listeners like to keep a log to record their monitoring achievements. Rather than keeping three separate logs, you can use this single book for all three purposes. At the top of each page, check off the application in the space provided. You may prefer to divide your log into three separate sections (with tabs, colored paper inserts, etc.) and mark each section appropriately.

The introductory information in this log book is divided into four sections:

I. General Information
II. Amateur Radio Use
III. Citizens Radio Use
IV. Short Wave Listening Use

I. GENERAL INFORMATION

A log book is not just to meet with the approval and requirements of the FCC; it can become a very personal record of your acomplishments as a Ham, CB Operator or Short Wave Listener. As a matter of fact, as noted before, a Log is **not** required by the FCC for CB or SWL use. Log records will not only show the progression of your experience, but also can be fun to review past contacts, experiences, records and unusual achievements.

Before using your Log, fill in the "Log Information" section at the beginning of this page.

The first column on the Log pages is for Date and Time. Many operators prefer to use the 24-hour time system and note the time in GMT (Greenwich Mean Time or UT, Universal Time). Whatever form of time you use, be consistent. The chart below will aid you in converting your local time to GMT (or vice versa). It is a good idea to obtain a 24-hour clock for your station and set it to GMT and use it for all Log records.

TIME CONVERSION CHART

GMT	EST CDST	CST MDST	MST PDST	PST	GMT
0000*	1900	1800	1700	1600	0000*
0100	2000	1900	1800	1700	0100
0200	2100	2000	1900	1800	0200
0300	2200	2100	2000	1900	0300
0400	2300	2200	2100	2000	0400
0500	0000*	2300	2200	2100	0500
0600	0100	0000*	2300	2200	0600
0700	0200	0100	0000*	2300	0700
0800	0300	0200	0100	0000*	0800
0900	0400	0300	0200	0100	0900
1000	0500	0400	0300	0200	1000
1100	0600	0500	0400	0300	1100
1200	0700	0600	0500	0400	1200
1300	0800	0700	0600	0500	1300
1400	0900	0800	0700	0600	1400
1500	1000	0900	0800	0700	1500
1600	1100	1000	0900	0800	1600
1700	1200	1100	1000	0900	1700
1800	1300	1200	1100	1000	1800
1900	1400	1300	1200	1100	1900
2000	1500	1400	1300	1200	2000
2100	1600	1500	1400	1300	2100
2200	1700	1600	1500	1400	2200
2300	1800	1700	1600	1500	2300

*is the same as 2400. 2400 is associated with the end of a day; 0000 is associated with the start of a new date and day.

You will note that EST is 5 hours "earlier" than GMT, CST is 6 hours "earlier", etc.

GMT = Greenwich Mean Time (also called Universal Time).
EST = East Standard Time
CST = Central Standard Time
CDST = Central Daylight-Saving Time
MST = Mountain Standard Time
MDST = Mountain Daylight-Saving Time
PST = Pacific Standard Time
PDST = Pacific Daylight-Saving Time

For time zones around the world, refer to a World Atlas.

II. AMATEUR RADIO USE

The Federal Communications Commission requires that every Amateur Radio Operator keep an accurate, up-to-date Log of all station transmissions. This Log meets all FCC requirements for record-keeping.

It is important that you are constantly aware of current FCC regulations. We suggest you subscribe to one of the fine Ham Radio periodicals to keep up with the latest changes.

Log Entries

Date and Time—enter the date of each transmission (it is adequate to note the date just once at the beginning of a day's activity and leave the column blank until the next new date). Be consistent in the time entries (for example, 24-hour system, GMT or EST—whatever system you use, be consistent).

Station Called—(or Monitored is for CB & SWL) enter the call letters of the station you call, or note CQ if making a general call. Or, if you are called by another station, place an "X" in this column for your own station call sign. Note "Test" if your transmission was just a test.

Caution: You must record every transmission, even if it is a brief test. Any time an RF signal is radiated from your antenna, you must record such activity in your log.

Called—(or Monitored by is for CB & SWL) If you made the call, place an "X" in this column. If another station initiated the call, place his call sign in this column.

His Freq.—(or Channel is for CB) Note the frequency of the station as indicated on your receiver dial.

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His Signal Strength & Quality—for Ham use, follow the standard RST system (see chart below).

The next five columns are for Ham & CB use only.

My Signal RST—enter the RST report given by the station you contact.

Freq.—(or Channel is for CB) Note the frequency band of your transmission. FCC does not require specific frequency—although many Hams prefer to enter the actual frequency.

Emission Type—enter the type of emission in this column, following the standard forms noted here:

A0 Steady, unmodulated carrier
A1 Telegraphy on continuous wave (CW)
A2 Telegraphy by amplitude tone-modulation (keyed modulation emission)
A3 Amplitude modulation
A3A Single-sideband amplitude modulation
A4 Facsimile
A5 Television
F1 Frequency-shift keying (f.s.k.)
F2 Audio-frequency-shift keying (a.f.s.k.)
F3 Frequency or phase modulation
NFM Narrow band f.m.
P Pulse

Power Input (watts)—enter the power input to the final stage of the transmitter circuitry.

Time of end of QSO—note the time of the ending of your transmission indicated on this line of the log.

Remarks—use this column for such information as location of stations worked, your own location if you are operating mobile, names of operators, messages handled, band conditions, results of calls, beam direction, antenna used, etc.

Important Note: The signature of any other operator must be entered in the **Remarks** column next to any transmissions that operator made.

QSL S R—note if you sent a QSL card under S (sent) and mark R (received) if you receive a QSL card from the station noted on this line.

Notes on Log Entries and Ham Operating Practices

In many instances, it is adequate to make only one entry if the information noted does not change from line to line. For example, make one entry for a single date and leave the Date column blank until a new date of operation (the same is true of the Frequency, Type of Emission and Power).

FCC requires that you keep copies of all messages sent or received. You may want to obtain standard message forms for message handling.

Leave some blank pages in the log for calculations, notes, tuning adjustments, dial settings, etc.

In all your Ham activity always be sure to observe all FCC regulations. Check your frequency of operation to be sure you are within your allotted band of operation. Be courteous.

Q SIGNALS

For brevity, Hams use a system of Q abbreviations. To indicate a question, use ? after the Q-signal. Here are the most common Q-signals.

CQ General call to any station (no special or emergency significance)
QRG Will you tell me my exact frequency (or that of .....)? Your exact frequency (or that of .....) is.....KHz.
QRH Does my frequency vary? Your frequency varies.
QRI How is the tone of my transmission? The tone of your transmission is.....(1. Good; 2. Variable; 3. Bad).
QRK What is the readability of my signals (or those of .....)? The readability of your signals (or those of.....) is.....(1. Unreadable; 2. Readable now and then; 3. Readable but with difficulty; 4. Readable; 5. Perfectly readable).
QRL Are you busy? I am busy (or I am busy with .....). Please do not interfere.
QRM Are you being interfered with? I am interfered with.
QRN Are you troubled by static? I am being troubled by static.
QRO Must I increase power? Increase power.
QRP Must I decrease power? Decrease power.
QRQ Shall I send faster? Send faster (.....words per min.).
QRS Shall I send more slowly? Send more slowly (.....w.p.m.).
QRT Shall I stop sending? Stop sending.
QRU Have you anything for me? I have nothing for you.
QRV Are you ready? I am ready.
QRW Shall I tell.....that you are calling him on .....KHz? Please inform.....that I am calling on.....KHz.
QRX When will you call me again? I will call you again at.....hours (on.....kc.).
QRZ Who is calling me? You are being called by ..... (on.....kc.).
QSA What is the strength of my signals (or those of .....)? The strength of your signals (or those of.....) is.....(1. Scarcely perceptible; 2. Weak; 3. Fairly good; 4. Good; 5. Very good).
QSB Are my signals fading? Your signals are fading.
QSD Is my keying defective? Your keying is defective.
QSG Shall I send.....messages at a time? Send ..... messages at a time.
QSL Can you acknowledge receipt? I am acknowledging receipt.
QSM Shall I repeat the last message which I sent you, or some previous message? Repeat the last message which you sent me [or message(s) number(s).....].
QSO Can you communicate with.....direct or by relay? I can communicate with.....direct (or by relay through.....).
QSP Will you relay to.....? I will relay to.....
QSV Shall I send a series of Vs on this frequency (or .....KHz.)? Send a series of Vs on this frequency (or.....KHz.).
QSW Will you send on this frequency (or on..... KHz.)? I am going to send on this frequency (or on.....KHz.).
QSX Will you listen to.....on.....KHz? I am listening to.....on.....KHz.
QSY Shall I change to transmission on another frequency? Change to transmission on another frequency (or on.....KHz.).
QSZ Shall I send each word or group more than once? Send each word or group twice (or.....times).
QTA Shall I cancel message number.....as if it had not been sent? Cancel message number..... as if it had not been sent.
QTB Do you agree with my counting of words? I do not agree with your counting of words; I will repeat the first letter or digit of each word or group.
QTC How many messages have you to send? I have .....messages for you (or for.....).
QTH What is your location? My location is.....
QTR What is the exact time? The time is.....

THE R-S-T SYSTEM

For many years Hams have used a simple system of evaluating the strength and quality of a transmission; **R**eadability-Signal **S**trength-**T**one (tone is for CW signals only).

READABILITY

1 Unreadable
2 Barely readable, occasional words distinguishable
3 Readable with considerable difficulty
4 Readable with practically no difficulty
5 Perfectly readable

SIGNAL STRENGTH

1 Faint signals, barely perceptible
2 Very weak signals
3 Weak signals
4 Fair signals
5 Fairly good signals
6 Good signals
7 Moderately strong signals
8 Strong signals
9 Extremely strong signals

TONE

1 Extremely rough hissing sound
2 Very rough a.c. note, no trace of musicality
3 Rough low-pitched a.c. note, slightly musical
4 Rather rough a.c. note, moderately musical
5 Musically-modulated note
6 Modulated note, slight trace of whistle
7 Near d.c. note, smooth ripple
8 Good d.c. note, just a trace of ripple
9 Purest d.c. note

Note: If the signal has the characteristic steadiness of crystal control, add the letter "X" to the RST report. Use "C" if "chirp" is present. "K" is used for "click."

MESSAGE HANDLING

If you intend to handle messages as a normal part of your Ham activity, you may want to obtain a pad of standard message forms (from ARRL or other amateur radio organization). Also, you should be aware that there are many abbreviations and numbered standard radiograms used for message handling. Again, we suggest you refer to the various Amateur Radio organizations and periodicals for information about message handling.

PHONETIC ALPHABET

When handling messages or under difficult band conditions, use the following phonetic designations for the alphabet. Don't overdo the use of phonetics.

A	ALFA	N	NOVEMBER
B	BRAVO	O	OSCAR
C	CHARLIE	P	PAPA
D	DELTA	Q	QUEBEC
E	ECHO	R	ROMEO
F	FOXTROT	S	SIERRA
G	GOLF	T	TANGO
H	HOTEL	U	UNIFORM
I	INDIA	V	VICTOR
J	JULIET	W	WHISKEY
K	KILO	X	X-RAY
L	LIMA	Y	YANKEE
M	MIKE	Z	ZULU

A number of phonetic alphabets have been in use over a period of years. This is the generally accepted standard (International Civil Aviation Organization); use it to be sure your information is understood correctly.

C.W. ABBREVIATIONS

When using the Morse Code, abbreviations are useful to speed communications. Always use abbreviations sparingly when contacting an operator of unknown experience and ability. Below is a list of standard CW abbreviations.

AA	All after
AB	All before
ABT	About
ADR	Address
AGN	Again
ANT	Antenna
BCI	Broadcast interference
BCL	Broadcast listener
BK	Break; break me; break in
BN	All between; been
B4	Before
C	Yes
CFM	Confirm; I confirm
CK	Check
CL	I am closing my station; call
CLD-CLG	Called; calling
CUD	Could
CUL	See you later
CUM	Come
CW	Continuous wave
DLD-DLVD	Delivered
DX	Distance, foreign countries
ECO	Electron-coupled oscillator
ES	And, &
FB	Fine business; excellent
GA	Go ahead (or resume sending)
GB	Good-bye
GBA	Give better address
GE	Good evening
GG	Going
GM	Good morning
GN	Good night
GND	Ground
GP	Ground plane
GUD	Good
HI	The telegraphic laugh; high
HR	Here; hear
HV	Have
HW	How
LID	A poor operator
MA, MILS	Milliamperes
MSG	Message; prefix to radiogram
N	No
ND	Nothing doing
NIL	Nothing; I have nothing for you
NM	No more
NR	Number
NW	Now; I resume transmission
OB	Old boy
OM	Old man
OP-OPR	Operator
OSC	Oscillator
OT	Old timer; old top
PBL	Preamble
PSE	Please
PWR	Power
PX	Press
R	Received as transmitted; are
RAC	Rectified alternating current
RCD	Received
REF	Refer to; referring to; reference
RIG	Station equipment
RPT	Repeat; I repeat
RX, RCVR	Receiver
SED	Said
SEZ	Says
SIG	Signature; signal
SINE	Operator's personal initials or nickname
SKED	Schedule
SRI	Sorry
SVC	Service; prefix to service message
TFC	Traffic
TMW	Tomorrow
TNX-TKS	Thanks
TT	That
TU	Thank you
TVI	Television interference
TVL	Television listener
TX	Transmitter
TXT	Text
UR-URS	Your; you're; yours
VFO	Variable-frequency oscillator
VY	Very
WA	Word after
WB	Word before
WD-WDS	Word; words
WKD-WKG	Worked; working
WL	Well; will
WUD	Would
WX	Weather
XMTR	Transmitter
XTAL	Crystal
YF (XYL)	Wife
YL	Young lady
73	Best regards
88	Love and kisses

AMATEUR RADIO CALL PREFIXES

To aid you in contacting and identifying Amateur Radio Call Signs from around the world, we have noted a current listing of prefixes.

A2 ..... Botswana
AC3 ..... Sikkim
AC4 ..... Tibet
AC1, 2, 5-0 ..... Bhutan
AP ..... Pakistan
BV ..... Taiwan
BY ..... China
C2 ..... Nauru
C3 ..... Andorra
CE ..... Chile
CE9AA-AM, FB8Y, KC4, LA, LU-Z, OR, UA1, VKO, VP8, ZL5, 8J .. Antarctica
CE0A ..... Easter Island
CE0Z ..... Juan Fernandez Archipelago
CE0X ..... San Felix
CM, CO ..... Cuba
CN2, 8, 9 ..... Morocco
CP ..... Bolivia
CR3 ..... Portuguese Guinea
CR4 ..... Cape Verde Islands
CR5 ..... Principe, Sao Thome
CR6 ..... Angola
CR7 ..... Mozambique
CR8 ..... Portuguese Timor
CR9 ..... Macao
CT1 ..... Portugal
CT2 ..... Azores
CT3 ..... Madeira Islands
CX ..... Uruguay
DJ, DK, DL, DM ..... Germany
DU, DX ..... Philippine Islands
EA ..... Spain
EA6 ..... Balearic Islands
EA8 ..... Canary Islands
EA9 ..... Rio de Oro
EA9 ..... Ceuta, Melilla
EI ..... Republic of Ireland
EL ..... Liberia
EP ..... Iran
ET3, 9F ..... Ethiopia
F ..... France
FB8Z ..... Amsterdam & St. Paul Isls.
FB8Y ..... (See CE9AA-AM)
FB8W ..... Crozet Island
FB8X ..... Kerguelen Islands
FC (unofficial) ..... Corsica
FG7 ..... Guadeloupe
FH8 ..... Comoro Islands
FK8 ..... New Caledonia
FL8 ..... French Somaliland
FM7 ..... Martinique
FO8 ..... Clipperton Island
FO8 ..... French Oceania
FP8 ..... St. Pierre & Miquelon Islands
FR7 ..... Glorioso Islands
FR7 ..... Juan de Nova
FR7 ..... Reunion
FR7 ..... Tromelin
FS7 ..... Saint Martin
FW8 ..... Wallis & Futuna Islands
FY7 ..... French Guiana & Inini
G ..... England
GC ..... Guernsey & Dependencies
GC ..... Jersey Island
GD ..... Isle of Man
GI ..... Northern Ireland
GM ..... Scotland
GW ..... Wales
HA, HG ..... Hungary
HB ..... Switzerland
HB0 ..... Liechtenstein
HC ..... Ecuador
HC8 ..... Galapagos Islands
HH ..... Haiti
HI ..... Dominican Republic
HK ..... Colombia
HK0 ..... Bajo Nuevo
HK0 ..... Malpelo Island
HK0 ..... San Andres and Providencia
HK0 ..... (See KS4B)
HL, HM ..... Korea
HP ..... Panama
HR ..... Honduras
HS ..... Thailand
HV ..... Vatican
HZ, 7Z ..... Saudi Arabia
I, IT ..... Italy
IS ..... Sardinia
JA, JR, JH, KA ..... Japan
JD ..... Ogasawara Isls.
JD ..... Minami Torishima
JT ..... Mongolia
JW ..... Svalbard
JX ..... Jan Mayen
JY ..... Jordan
K, W ..... United States of America
KB6 ..... Baker, Howland & American Phoenix Islands
KC4 ..... Navassa Island
KC4 ..... (See CE9AA-AM)
KC6 ..... Eastern Caroline Islands
KC6 ..... Western Caroline Islands
KG4 ..... Guantanamo Bay
KG6 ..... Guam
KG6R, S, T ..... Mariana Islands
KH6 ..... Hawaiian Islands
KH6 ..... Kure Island
KJ6 ..... Johnston Island
KL7 ..... Alaska
KM6 ..... Midway Islands
KP4 ..... Puerto Rico
KP6 ..... Palmyra Group, Jarvis Island
KR6, 8 ..... Ryukyu Islands
KS4B, HK0 ..... Serrana Bank & Roncador Cay
KS4 ..... Swan Islands
KS6 ..... American Samoa
KV4 ..... Virgin Islands
KW6 ..... Wake Island
KX6 ..... Marshall Islands
KZ5 ..... Canal Zone
LA, LG ..... Norway
LA ..... (See CE9AA-AM)
LU ..... Argentina
LU ..... (See CE9AA-AM)
LX ..... Luxembourg
LZ ..... Bulgaria
M1, 9A1 ..... San Marino
MP4B ..... Bahrein
MP4Q ..... Qatar
MP4M, VS9O ..... Sultanate of Muscat & Oman
MP4D, T ..... Trucial Oman
OA ..... Peru
OD5 ..... Lebanon
OE ..... Austria
OH, OF ..... Finland
OH0 ..... Aland Islands
OJ0 ..... Market
OK, OL ..... Czechoslovakia
ON ..... Belgium
OR ..... (See CE9AA-AM)
OX, XP ..... Greenland
OY ..... Faroe Islands
OZ ..... Denmark
PA, PD, PE, PI ..... Netherlands
PJ ..... Netherlands Antilles
PJ ..... Saint Martin
PY ..... Brazil
PY0 ..... Fernando De Noronha
PY0 ..... St. Peter & St. Paul's Rocks
PY0 ..... Trindade & Martim Vaz Islands
PZI ..... Surinam
SK, SL, SM ..... Sweden
SP ..... Poland
ST2 ..... Sudan
SU ..... Egypt
SV ..... Crete
SV ..... Dodecanese
SV ..... Greece
TA ..... Turkey
TF ..... Iceland
TG ..... Guatemala
TI ..... Costa Rica
TI9 ..... Cocos Island
TJ ..... Cameroun
TL ..... Central African Republic
TN ..... Congo Republic
TR ..... Gabon Republic
TT ..... Chad Republic
TU ..... Ivory Coast
TY ..... Dahomey Republic
TZ ..... Mali Republic
UA, UK, UV, UW1-6, UN1 ..... European Russian S.F.S.R.
UA1, UK ..... (See CE9AA-AM)
UA1, UK ..... Franz Josef Land
UA2, UK ..... Kaliningradsk
UA, UK, UV, UW9, 0 ..... Asiatic Russian S.F.S.R.
UB5, UK, UT5 UY5 ..... Ukraine
UC2, UK ..... White Russian S.S.R.
UD6, UK ..... Azerbaijan
UF6, UK ..... Georgia
UG6, UK ..... Armenia
UH8, UK ..... Turkoman
UI8, UK ..... Uzbek
UJ8, UK ..... Tadzhik
UL7, UK ..... Kazakh
UM8, UK ..... Kirghiz
UO5, UK ..... Moldavia
UP2, UK ..... Lithuania
UQ2, UK ..... Latvia
UR2, UK ..... Estonia
VE ..... Canada
VK ..... Australia
VK ..... Lord Howe Island
VK ..... Willis Islands
VK9X ..... Christmas Islands
VK9Y ..... Cocos Islands
VK9N ..... Norfolk Island
VK9AA-MZ ..... Papua Territory
VK9AA-MZ ..... Territory of New Guinea
VK0 ..... Heard Island
VK0 ..... Macquarie Island
VK0 ..... (See CE9AA-AM)
VO ..... Newfoundland, Labrador
VP1 ..... British Honduras
VP2E, K ..... Anguilla
VP2A ..... Antigua, Barbuda
VP2V ..... British Virgin Islands
VP2D ..... Dominica
VP2G ..... Granada & Dependencies
VP2M ..... Montserrat
VP2K ..... St. Kitts, Nevis
VP2L ..... St. Lucia
VP2S ..... St. Vincent & Dependencies
VP5 ..... Turks & Caicos Islands

VP7 ..... Bahama Islands
VP8 ..... (See CE9AA-AM)
VP8 ..... Falkland Islands
VP8, LU-Z ..... South Georgia Islands
VP8, LU-Z ..... South Orkney Islands
VP8, LU-Z .... South Sandwich Islands
VP8, LU-Z, CE9 .. So. Shetland Islands
VP9 ..... Bermuda Islands
VQ1 ..... Zanzibar
VQ9 ..... Aldabra Islands
VQ9 ..... Chagos Islands
VQ9 ..... Desroches
VQ9 ..... Farquhar
VQ9 ..... Seychelles
VR1 ..... British Phoenix Islands
VR1 ..... Gilbert & Ellice Islands & Ocean Island
VR2 ..... Fiji Islands
VR3 ..... Fanning & Christmas Islands
VR4 ..... Solomon Islands
VR5 ..... Tonga Islands
VR6 ..... Pitcairn Island
VS5 ..... Brunei
VS6 ..... Hong Kong
VS9 A, P, S ..... South Yemen
VS9K ..... Kamaran Islands
VS9M, 8Q ..... Maldive Islands
VS90 ..... (See MP4M)
VU ..... Andaman and Nicobar Islands
VU ..... India
VU ..... Laccadive Islands
W ..... (See K)
XE, XF ..... Mexico
XF4 ..... Revilla Gigedo
XP ..... (See OX)
XT ..... Voltaic Rep.
XU ..... Cambodia
XV5 ..... (See 3W8)
XW8 ..... Laos
XZ2 ..... Burma
YB ..... Indonesia
YA ..... Afghanistan
YI ..... Iraq
YJ ..... New Hebrides
YK ..... Syria
YN, YN0 ..... Nicaragua
YO ..... Rumania
YS ..... Salvador
YU, YT ..... Yugoslavia
YV ..... Venezuela
YV0 ..... Aves Island
ZA ..... Albania
ZB2 ..... Gibraltar
ZC4 ..... (See 5B4)
ZD3 ..... The Gambia
ZD5 ..... Swaziland
ZD7 ..... St. Helena
ZD8 ..... Ascension Island
ZD9 ..... Tristan da Cunha & Gough Islands
ZE ..... Rhodesia
ZF1 ..... Cayman Islands
ZK1 ..... Cook Islands
ZK1 ..... Manihiki Islands
ZK2 ..... Niue
ZL ..... Auckland Isl. & Campbell Isl.
ZL ..... Chatham Islands
ZL ..... Kermadec Islands
ZL ..... New Zealand
ZL5 ..... (See CE9AA-AM)
ZM7 ..... Tokelau (Union) Islands
ZP ..... Paraguay
ZS1, 2, 4, 5, 6 ..... South Africa
ZS2 ..... Prince Edward & Marion Islands
ZS3 ..... South-West Africa
3A ..... Monaco
3B6 ..... Agalega
3B7 ..... St. Brandon
3B8 ..... Mauritius
3B9 ..... Rodriguez
3C ..... Equatorial Guinea
3V8 ..... Tunisia
3W8, XV5 ..... Vietnam
3X ..... Rep. of Guinea
3Y ..... Bouvet
4S7 ..... Ceylon
4U ..... I.T.U. Geneva
4W ..... Yemen
4X, 4Z ..... Israel
5A ..... Libya
5B4 ..... Cyprus
5H3 ..... Tanganyika
5N2 ..... Nigeria
5R8 ..... Malagasy Rep.
5T ..... Mauritania
5U7 ..... Niger Rep.
5V ..... Togo
5W1 ..... Western Samoa
5X5 ..... Uganda
5Z4 ..... Kenya
6O1, 2, 6 ..... Somali Rep.
6W8 ..... Senegal Rep.
6Y ..... Jamaica
7P ..... Lesotho
7Q ..... Nyasaland
7X ..... Algeria
7Z ..... (See HZ)
8J ..... (See CE9AA-AM)
8P ..... Barbados
8Q ..... (See VS9M)
8R ..... Guyana
8Z4 ..... Saudi Arabia/Iraq N.Z.
8Z5 ..... (See 9K3)
9A1 ..... (See M1)
9F ..... (See ET3)
9G1 ..... Ghana
9H1 ..... Malta
9J ..... Zambia
9K2 ..... Kuwait
9K3, 8Z5 ..... Kuwait/Saudia Arabia Neutral Zone
9L1 ..... Sierra Leone
9M2 ..... Malaya
9M6 ..... Sabah
9M8 ..... Sarawak
9N1 ..... Nepal
9Q5 ..... Rep. of Congo
9U5 ..... Burundi
9V1 ..... Singapore
9X5 ..... Rwanda
9Y4 ..... Trinidad & Tobago

III. CITIZENS BAND USE

The FCC does **not** require that CBers keep a log. However, many CB operators prefer to keep a log to record contacts, information and to maintain records. This Log has been designed for CB application.

Log Entries

Be sure to mark the top of the Log page for the appropriate application.

Date and Time—enter the day's date and time. Be consistent in the time system used (local, GMT or 24-hour).

Station Called or Monitored—enter the call sign of the station called or listened to. If you were called, enter an "X" (in Log entries, "X" always stands for the station call sign noted in the front of the Log).

Called or Monitored by—enter an "X" if you called, or are monitoring the station noted in the column to the left. If you were called, enter the call sign of the station which called you.

His Freq. or Channel—enter the channel on which the other station is transmitting.

His Signal Strength and Quality—enter a report of the strength and quality of the signal being received. You can use standard S-meter readings, a combination of Readability and Signal Strength (see RST System under Amateur Radio Use) or SINFO system (explained under Short Wave Listening Use). Or, you may develop your own method of signal reporting.

The next five (5) columns apply to your transmissions.

My Signal RST—enter a report of your signal strength and quality as provided by the other station. Use the same type of signal report system as noted in the last column.

Frequency or Channel—note your channel of operation.

Emission—note whether AM (normal Amplitude Modulation—Hams use the designation A3) or Single or Double Sideband (SSB or DSB).

Power Input (watts)—it is necessary to note your power input (5 watts normally) once and from then on, leave this column blank, unless your operating input power changes.

Time of end of QSO—if you are keeping accurate records, note the time of the end of your communication with this station.

Remarks—enter any additional information in this column; type of antenna used, messages, names of operators, notes, etc.

QSL S R—if you either Send or Receive acknowledgement of this contact and communication, check the appropriate column.

10 CODE SIGNALS

CBers, and many other types of radio operators, use a simple system of coded signals to aid in efficient communications. These are the "10" signals. Below is a listing of these signals. Any 10-code signal can be made into a question by using it as a question in your transmission.

10-1 Receiving Poorly
10-2 Receiving Well
10-3 Stop Transmitting
10-4 OK, Message Received
10-5 Relay Message
10-6 Busy, Stand By
10-7 Out Of Service, Leaving Air
10-8 In Service, Subject To Call
10-9 Repeat Message
10-10 Transmission Completed, Standing By
10-11 Talking Too Rapidly
10-12 Visitors Present
10-13 Advise Weather/Road Conditions
10-16 Make Pickup At _____
10-17 Urgent Business
10-18 Anything For Us?
10-19 Nothing For You, Return To Base
10-20 My Location Is _____
10-21 Call By Telephone
10-22 Report In Person To_____
10-23 Stand By
10-24 Completed Last Assignment
10-25 Can You Contact _____?
10-26 Disregard Last Information
10-27 I Am Moving To Channel _____
10-28 Identify Your Station
10-29 Time Is Up For Contact
10-30 Does Not Conform To FCC Rules
10-32 I Will Give You A Radio Check
10-33 EMERGENCY TRAFFIC AT THIS STATION
10-34 Trouble At This Station, Help Needed
10-35 Confidential Information
10-36 Correct Time Is _____
10-37 Wrecker Needed At _____
10-38 Ambulance Needed At _____
10-39 Your Message Delivered
10-41 Please Tune To Channel
10-42 Traffic Accident At _____
10-43 Traffic Tieup At _____
10-44 I Have A Message For You (Or _____
10-45 All Units Within Range Please Report
10-50 Break Channel _____
10-60 What Is Next Message Number?
10-62 Unable To Copy, Use Phone
10-63 Net Directed To _____
10-64 Net Clear
10-65 Awaiting Your Next Message/ Assignment
10-67 All Units Comply
10-70 Fire At _____
10-71 Proceed With Transmission In Sequence
10-73 Speed Trap At _____
10-75 You Are Causing Interference
10-77 Negative Contact
10-81 Reserve Hotel Room For _____
10-82 Reserve Room For _____
10-84 My Telephone Number Is _____
10-85 My Address Is _____
10-89 Radio Repairman Needed At _____
10-90 I Have TVI
10-91 Talk Closer To Mike
10-92 Your Transmitter Is Out Of Adjustment
10-93 Check My Frequency On This Channel
10-94 Please Give Me A Long Count
10-95 Transmit Dead Carrier For 5 Seconds
10-99 Mission Completed, All Units Secure
10-200 Police Needed At _____

Note: You may find it useful to refer back to the section titled AMATEUR RADIO USE for information and ideas for your CB use. For example, the Phonetic Alphabet will be helpful during critical communications transmissions.

IV. SHORT WAVE LISTENING USE

This Log can be used for recording and documenting Short Wave Listening achievements. FCC has no specific regulations applying totally to the hobby of Short Wave Listening (except relating to the height of antenna construction). Thus, the purpose of a Log is entirely personal and relates to proper documentation of all monitoring activities.

Short Wave Listening is a very fascinating hobby. Receiving equipment can be simple and inexpensive or very complex and costly. In either case (or anywhere inbetween) your enjoyment can be unlimited. There are many fine books on this subject; we urge you to invest in one or more. Also, there are a number of SWL Clubs and magazines and newsletters, any of which can be a good source of much information.

Log Entries

Date and Time—accurate entries are an absolute necessity for SWL monitoring verification and authentication. You probably will want to have a 24-hour clock in your SWL den; it is best to use the 24-hour GMT system of time keeping and reporting.

Station Monitored (Station called applies to Ham & CB) Be sure to enter adequate station identification in this column—either the call letters or the official name as used by the announcer or station operator.

His Freq. or Channel—be sure to record the frequency of the monitored station as accurately as possible.

His Signal Strength and Quality—this is an important entry for serious SWL work. We recommend using the SINFO system of reception quality (see below).

The next five (5) columns do not apply to SWL work and are used only for Amateur and CB log entries.

Remarks—this column can become the most important portion of your Log. You should note the type of receiver and antenna used, the country of the station monitored, various program details and any other information pertinent to the SWL activity. You may want to make note of any tape recording you made of the reception.

QSL S R—if you do make reception reports and/or send QSLs to the stations you receive, make a note in the S (sent) column. If and when you receive acknowledgement of your report, make a note in the R (received) column.

Notes on SWL Practices

The entire field of SWL (and other forms of radio listening and monitoring) is far too broad for us to attempt to cover even a small portion in this Log. As your interest grows, we know you will want to subscribe to one of the periodicals, purchase books and maybe join one of the SWL clubs or associations (either national or international).

We can not possibly present a complete list of representative radio stations around the world, but will give a brief listing of some of the more important international radio stations you might hear on the SWL bands. Remember, the Short Wave Bands are not the only frequencies where you can monitor interesting and exciting radio broadcasts. There are many other radio services on other bands. Again, we refer you to the many books and magazines covering this vast subject.

A brief listing of representative International Short Wave Radio Stations.

Time (GMT)	Frequency (MHz or Mc)	Location (and Call)
0000	7.250	Moscow
	9.690	Argentina LRA33
	15.095	Peking, China
0100	6.010	Rome
	6.160	East Germany
	9.225	Cuba
	17.840	Australia
0200	6.025	Portugal
	9.715	Philippines DZH7
	9.745	Ecuador HCJB
0300	4.885	Kenya
	5.808	Peru OAX7L
	6.140	Hungary
	9.525	Toyko
	11.850	Norway
	15.125	South Korea HLK41
	15.345	Taiwan BED49
0400	6.070	Bulgaria
	9.510	London
	14.520	North Korea
0500	6.145	West Germany DMQ6
	9.654	South Korea HLK5
	9.670	North Vietnam
	11.640	North Vietnam
0530	4.985	Malaysia
	5.940	Cambodia
	7.390	Syria
0600	11.975	Liberia ELWA
	21.535	Liberia ELWA
0630	4.911	Zambia
	7.090	Albania
0700	6.050	Ecuador HCJB
	7.120	Burma XZK4
	9.505	Czechoslovakia
	9.670	Switzerland
0730	5.990	Canada CKNA
	7.295	Monaco
	15.120	Poland
	3.205	Solomon Islands VQO3
0800	6.090	Liberia ELBC
	17.760	Pakistan
0830	9.715	Philippines DZF5
	15.305	Switzerland
0900	6.080	New Zealand ZL7
	9.640	London
	7.240	Kenya
1000	9.560	India VUD
	9.685	Taiwan BED73
1100	9.620	Sweden
	11.715	Indonesia YDF2
	15.220	South Africa
1200	3.300	British Honduras
	9.575	Rome
1230	4.870	Ceylon
	15.165	Denmark OZF4
1300	7.125	Poland
	9.760	North Vietnam
	11.850	Paris
1400	11.850	Mongolia
	13.750	North Korea
	17.820	Turkey TAV
1500	7.250	Vatican City
	9.610	Norway LLG
	15.125	South Korea HLK41
	21.545	Ghana
1600	9.555	Finland OIX2
	15.220	South Africa
	14.420	Sweden
1700	9.535	Angola
	9.565	Ethiopia ETLF
1800	17.735	Cuba
	11.810	Lebanon
1900	5.930	Czechoslovakia
	9.865	Indonesia YDF8
	15.155	Liberia ELWA
2000	7.265	Albania
	11.940	Rumania
	17.740	London
2045	9.725	Isreal 4XB51
	15.290	United Arab Republic
2130	6.070	Bulgaria
	7.125	Poland
2200	6.010	Rome
	7.200	Yugoslavia
	7.260	Taiwan BEC71
2215	11.965	Moscow
2300	7.580	North Korea
	15.190	Montreal, Canada

International Call-Sign Prefixes

The International Telecommunication Union has assigned various call sign designations to each country around the world. Here is a listing showing the Prefixes as assigned. You will find this list helpful in the identification of various radio stations as you monitor the radio waves.

AAA-ALZ	United States
AMA-AOZ	Spain
APA-ASZ	Pakistan
ATA-AWZ	India
AXA-AXZ	Australia
AYA-AZZ	Argentine Republic
BAA-BZZ	China
CAA-CEZ	Chile
CFA-CKZ	Canada
CLA-CMZ	Cuba
CNA-CNZ	Morocco
COA-COZ	Cuba
CPA-CPZ	Bolivia
CQA-CRZ	Portuguese Territories
CSA-CUZ	Portugal
CVA-CXZ	Uruguay
CYA-CZZ	Canada
DAA-DTZ	Germany
DUA-DZZ	Republic of the Philippines
EAA-EHZ	Spain
EIA-EJZ	Ireland
EKA-EKZ	Soviet Union
ELA-ELZ	Liberia
EMA-EOZ	Soviet Union
EPA-EQZ	Iran
ERA-ERZ	Soviet Union
ESA-ESZ	Estonia
ETA-ETZ	Ethiopa
EUA-EWZ	Soviet Bielorussia
EXA-EZZ	Soviet Union
FAA-FZZ	France and Territories
GAA-GZZ	Great Britain
HAA-HAZ	Hungary
HBA-HBZ	Switzerland
HCA-HDZ	Ecuador
HEA-HEZ	Switzerland
HFA-HFZ	Poland
HGA-HGZ	Hungary
HHA-HHZ	Republic of Haiti
HIA-HIZ	Dominican Republic
HJA-HKZ	Colombia
HLA-HMZ	Korea
HNA-HNZ	Iraq
HOA-HPZ	Panama
HQA-HRZ	Honduras
HSA-HSZ	Thailand
HTA-HTZ	Nicaragua
HUA-HUZ	El Salvador
HVA-HVZ	Vatican City
HWA-HYZ	France and Territories
HZA-HZZ	Saudi Arabia
IAA-IZZ	Italy and Territories
JAA-JSZ	Japan
JTA-JVZ	Mongolia
JWA-JXZ	Norway
JYA-JYZ	Jordan
JZA-JZZ	Irian
KAA-KZZ	United States
LAA-LNZ	Norway
LOA-LWZ	Argentina
LXA-LXZ	Luxembourg
LYA-LYZ	Lithuania
LZA-LZZ	Bulgaria
MAA-MZZ	Great Britain
NAA-NZZ	United States
OAA-OCZ	Peru
ODA-ODZ	Lebanon
OEA-OEZ	Austria
OFA-OJZ	Finland
OKA-OMZ	Czechoslovakia
ONA-OTZ	Belgium
OUA-OZZ	Denmark
PAA-PIZ	Netherlands
PJA-PJZ	Netherlands Antilles
PKA-POZ	Indonesia
PPA-PYZ	Brazil
PZA-PZZ	Surinam
QAA-QZZ	(Service abbreviations)
RAA-RZZ	Soviet Union
SAA-SMZ	Sweden
SNA-SRZ	Poland
SSA-SSM	United Arab Republic

SSN-STZ	Sudan	YNA-YNZ	Nicaragua	5WA-5WZ	Western Samoa
SUA-SUZ	United Arab Republic	YOA-YRZ	Romania	5XA-5XZ	Uganda
SVA-SZZ	Greece	YSA-YSZ	El Salvador	5YA-5ZZ	Kenya
TAA-TCZ	Turkey	YTA-YUZ	Yugoslavia	6AA-6BZ	United Arab Republic
TDA-TDZ	Guatemala	YVA-YYZ	Venezuela	6CA-6CZ	Syria
TEA-TEZ	Costa Rica	YZA-YZZ	Yugoslavia	6DA-6JZ	Mexico
TFA-TFZ	Iceland	ZAA-ZAZ	Albania	6KA-6NZ	Korea
TGA-TGZ	Guatemala	ZBA-ZJZ	British Territories	6OA-6OZ	Somali
THA-THZ	France and Territories	ZKA-ZMZ	New Zealand	6PA-6SZ	Pakistan
TIA-TIZ	Costa Rica	ZNA-ZOZ	British Territories	6TA-6UZ	Sudan
TJA-TJZ	Cameroon	ZPA-ZPZ	Paraguay	6VA-6WZ	Senegal
TKA-TKZ	France and Territories	ZQA-ZQZ	British Territories	6XA-6XZ	Malagasy
TLA-TLZ	Central African Republic	ZRA-ZUZ	South Africa	6YA-6YZ	Jamaica
TMA-TMZ	France and Territories	ZVA-ZZZ	Brazil	6ZA-6ZZ	Liberia
TNA-TNZ	Congo (Brazzaville)	2AA-2ZZ	Great Britain	7AA-7IZ	Indonesia
TOA-TQZ	France and Territories	3AA-3AZ	Monaco	7JA-7NZ	Japan
TRA-TRZ	Gabon	3BA-3FZ	Canada	7OA-7OZ	South Yemen
TSA-TSZ	Tunisia	3CA-3CZ	Equatorial Guinea	7QA-7QZ	Malawi
TTA-TTZ	Chad	3DA-3FZ	Canada	7RA-7RZ	Algeria
TUA-TUZ	Ivory Coast	3GA-3GZ	Chile	7SA-7SZ	Sweden
TVA-TVZ	France and Territories	3HA-3UZ	China	7TA-7YZ	Algeria
TYA-TYZ	Dahomey	3VA-3VZ	Tunisia	7ZA-7ZZ	Saudi Arabia
TZA-TZZ	Mali	3WA-3WZ	Vietnam	8AA-8IZ	Indonesia
UAA-UQZ	Soviet Union	3XA-3XZ	Guinea	8JA-8NZ	Japan
URA-UTZ	Soviet Ukraine	3YA-3YZ	Norway	8OA-8OZ	Botswana
UUA-UZZ	Soviet Union	3ZA-3ZZ	Poland	8PA-8PZ	Barbados
VAA-VGZ	Canada	4AA-4CZ	Mexico	8QA-8QZ	Maldive Islands
VHA-VNZ	Australia	4DA-4IZ	Philippines	8RA-8RZ	Guyana
VOA-VOZ	Canada	4JA-4LZ	Soviet Union	8SA-8SZ	Sweden
VPA-VSZ	British Territories	4MA-4MZ	Venezuela	8TA-8YZ	India
VTA-VWZ	India	4NA-4OZ	Yugoslavia	8ZA-8ZZ	Saudi Arabia
VXA-VYZ	Canada	4PA-4SZ	Ceylon	9AA-9AZ	San Marino
VZA-VZZ	Australia	4TA-4TZ	Peru	9BA-9DZ	Iran
WAA-WZZ	United States	4UA-4UZ	United Nations	9EA-9FZ	Ethiopa
XAA-XIZ	Mexico	4VA-4VZ	Haiti	9GA-9GZ	Ghana
XJA-XOZ	Canada	4WA-4WZ	Yemen	9HA-9HZ	Malta
XPA-XPZ	Denmark	4XA-4XZ	Israel	9IA-9JZ	Zambia
XQA-XRZ	Chile	4YA-4YZ	International Civil Aviation Organization	9KA-9KZ	Kuwait
XSA-XSZ	China			9LA-9LZ	Sierra Leone
XTA-XTZ	Upper Volta	4ZA-4ZZ	Israel	9MA-9MZ	Malaysia
XUA-XUZ	Cambodia	5AA-5AZ	Libya	9NA-9NZ	Nepal
XVA-XVZ	Vietnam	5BA-5BZ	Cyprus	9OA-9TZ	Congo (Leopoldville)
XWA-XWZ	Laos	5CA-5GZ	Morocco	9UA-9UZ	Burundi
XXA-XXZ	Portuguese Territories	5HA-5IZ	Tanzania	9VA-9VZ	Singapore
XYA-XZZ	Burma	5JA-5KZ	Colombia	9WA-9WZ	Malaysia
YAA-YAZ	Afghanistan	5LA-5MZ	Liberia	9XA-9XZ	Rwanda
YBA-YHZ	Indonesia	5NA-5OZ	Nigeria	9YA-9ZZ	Trinidad and Tobago
YIA-YIZ	Iraq	5PA-5QZ	Denmark	A2A-A2Z	Botswana
YJA-YJZ	New Hebrides	5RA-5SZ	Malagasy	C2A-C2Z	Nauru
YKA-YKZ	Syria	5TA-5TZ	Mauretania	C3A-C3Z	Andorra
YLA-LYZ	Latvia	5UA-5UZ	Niger	L2A-L9Z	Argentina
YMA-YMZ	Turkey	5VA-5VZ	Togo		

The SINFO System of Rating Reception Quality

Many international organizations have attempted to agree on one system of Radio Reception Signal Reporting. One of the most widely used is the SINFO system as noted below.

Rating	S Signal Strength	I Interference from other stations	N Noise (static)	F Fading	O Overall merit
5	excellent	none	none	none	excellent
4	good	slight	slight	slow	good
3	fair	moderate	moderate	moderate	fair
2	poor	severe	severe	fast	poor
1	barely audible	extreme	extreme	very fast	unusable

Note: In some cases, "P" is used instead of "F" (P = propagation disturbance). Professional SWL/Monitoring services also include ratings on Modulation (quality and depth); these characteristics typically are monitored with the use of an oscilloscope.

2 Time - Add 4 Hrs

QSL W3HNK

IBSA 493

LOG APPLICATION: ☑ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
4-28												
[redacted]			28									
2311	VK3NKK	X	.463	55	54		3A3	100		Doug - Kallista		
2318	VK3 NS 2			51	55					Laurie - Melbourne		
2322	VK3 BYF			57	57		3A3	100		Lyn - "		
2324	VK3 PAG			57	57		3A3	100		Andy -		
5-1												
1346	WBØNHD		.525	59	59		"	"		Dave -		
5-28												
1954	WA2RYE	50	.109	579	55			10		Jay NJ		
2020	W2IDZ		.116	59	59		"	100		Ed - NJ #239		
2025	K3KTY		.116	59	59			"		John - Pa		
2026	W2AXU		.116	59	59			"		Jack - NJ		
2029	WB2CUS		.116	59	59			"		Dan - NY		
2031	VE3ASO		.116	57	57			"		Dennis - Ottawa		
	K2MHB		.	59	59			"		Mario - NY		
	N2BYU			57	59			"		George - NNJ		
2034	WB1 [redacted]VR			59	59					Hank - Ct.		
	KA1BRD			59	57					Bernie - Ct		
2035	AC1T			55	55					- Ma.		
	K1ZFE			59	59					- Ct		
	WB2CML			59	55					- NY		
2037	WA2EQK			52	56					Don - NY		
2039	W2LFL			59	59					Rud - NY		
2040	[redacted]W4CKD			59	59					Bob - Va		
2041	KA1BXB			59	59					Don - Ct		
2042	K1BXC			59	59					Dan - Ct		
2043	W2UTH			56	56					Hank - NY		

QSL W3HNK – Double 6 TRLo 6

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 5-28	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
1344	K2YOF	SD.	116	57	58					NJ		
1429	K[illegible]	SD.	130	59	5					ohiu		
0041	WA4EWA	SD.	.110	59	59					BDI AC		
	WB2QYK/4									Hank Hank O		
	KC4XX											
	WB4											
	W4ZGG											
	KA4GCM			59						Bob – Indian Alta Fla		
	WB0FDW/4			54						John		
	WB4NFG			58						Lloyd		
	W4ORW			59						Pat Gulf Breeze Fl		
	KL7JQP/4									Panama City Gene		
	WD4JSS			59						Panama City/City		
	WD4LSV			59						David		
										Dick QSL Varna		
				58						Dyal		
	KA4GPQ			59	59					John		
	WB4DTY			58								
	WA4DWS			58	58					Bob		
	WB4[illegible]UCW			57	58					Benny		
	WR5[illegible]OOK			54	54							
1603												
1406	WA4UKX			58	58					Gene - SC		
1411	Y	W4CBZ		52	52					Bill - TN		

VPSDYL

L48 Y40 Vicom L45 L41S

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
2221	KA4AOIC	X	.	54+						Ann - AL. VP2EF		
2340	WD4YNMV			54+						Charlie - Miami VP5FP		
"	W5DZF/4	X		54+						Scotty - "		
"	WD4AHH			54+						WALT - FTL		
"	N4AIV	X		55	59					Tom - Pomp. Beach		
6-04										DL 2m/ 6M5		
2256	K5ZRR	X		59						AG - Ga		
2258	WB2CTK	X		54						Rich - Fla.		
2302	W4GJU	X		59						GARY - Ga		
	WD4IIS	X		57						TED - Ga.		
6-21										145.34 - A/B		
1434	WØLL			52	57					ICS Sn/761 WC5S -		
1436	W5HUQ	6-22		59	59					FL Sn/4145		
1812	N5BBO			57	57					Fern - TX		
1814	WA7JTM			56	56					- A3		
1815	WB7OHF			55	55					Reg - A3 ZB2GF		
1816	WA7EPY			56	56					A3 ZB2BL		
1817	WA5IYX			59	59					TX		
6-23												
2252	YU2OM	26.	215	57	54					KRunO - Yugo Slavia - Asiatic		
0022	PP5JD	28.	605	55	54					Jaime -		
0035	CX2TT	14.	191	55	56					Jack -		
6-24												
2042	VP2MX	50.	110	55	55					KI2FE Dave -		
2045	VP2MBN	.	110	57	57					Reg VE1BNN		
6-25												
2315	VP2MX	.	110	59	59							

DL3ZM/YV5

ON

Beacon

Beacon

FG

6DDL

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
6-26												
1333	KL7JGi	4 50.	105	59+	59		SSB	50		Dave - N. FCo.		
1341	WA (FDH)	4 .	105	59						ORaL - FLA.		
1343	WA4LOX	.	105	59+	59+					Ron -		
	W5VY	.	105	55	55					Joe - TX		
	N4AJF	.	105	59	59					Lee NC		
6-27												
2340	VP2MX	.	105	59	59					FG0DDV/FS7		
2345	K4FZ	.	105	55	55					Herb - 7238701		
6-28												
2118	8P6KX	50.	100	59	59					John - K2QiE (2130) DL32m/4VS 50.0/8		
2132	VP2MX	.	110									
2205	FG0DDV/FS7	.	115	52	59					ED - (Antigua)		
2323	PJ2DEW	.	126	59	59					William - Curacao 557A - 6c (PJ2DEW 12G)		
7-01												
1423	W5UCY	.	110	57	57					Lowell - MS.		
7-04												
1428	N3AHi		109	59	59					Jim - Pa		
1433	W3XO		109	59	59					Bill - Md		
1439	WB4NMA		109	59	59					Ron - Ga		
	K4GOK		109	59	59					Hugh - Va		
	WB4SFR		109	59	59					Ray - NFC.		
	WA4UKX		109	59	59					Gene - SC.		
	W4L		109	59	59					- GA		
	W0KNA		109	59	59					Tom - Ky		
	K7UJN		109	59	59					- AZ		
										- FC		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
	K4CKS	30	109	59	59					AK - Ga.		
	WH6GJO			59	59							
	WD4HIS			59	59					TTH Ga.		
	WA4EWA			59	59					Bill Fl		
	WD4GXN			59	59					Emily VC.		
	K9CIN			59	59					-		
	WH6DH			59	59					Cathy - AL		
	WB4BSZ			56	56					Bob - F2 (UFO)		
	WB7 -GX			59	59					- A3 (VAN)		
1454	WB7SLY			59	59					- A3		
	K5ZRL	14		59	59					AG - Ga.		
9:05												
0045	N4BBN		28.5	56	56					Ray - Fo		
0045	K4US		11	56	56					Dick - NO		
0242	WB1FAK		11	59	59					Tom - ME		
0309	UFGVAN		28.364	59	59					ASKaeos -		
1205	KC2JG/4		28.4	59	59					Dave -		
1228	K2NJ		.104	55	55					Bill - NJ		
1229	W2IDZ		.104	58	59					ED - NJ		
	W3JO		.104	59	59					Joe - Pa		
	K4ZGB		.104	55	55					- AL		
	K3XA		.104	55						VA		
	WA5UFH			59						Rimm - La		
	W3IWL			55	55					-		
	WJIWL			55	55					- CT		
	AE3T			58	58					Norman - Pa		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 7-04	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
	K4HWG	SD	104	57	57					Va.		
	K2TWS	SD	104	56	53					JOHN NJ		
	N3AUE		104	55	54					MD		
	WB2AXG		104	54	54					NJ		
	K3WRD		104	55	57					PA.		
	W4NVH/3		104	55	55							
	WB2YCB		104	55	55					NJ		
1524	K4ADi			44	55					FRANK - SC		
	AA4RM			59	59					MARTY - Ga.		
2-05 1815	N4CD	SD	106	59	59					BOB - Va.		
	WB4iUS		106	56	54					ED - Va.		
	W3UJG		106	59	59					ERNIE - MD		
	K2MLB		106	59	59					- NJ		
	WD4M40		106	55	55					- Va		
	W3JPT		106	59	59					CHUCK DC		
	WB2HST		106	55	55					NY		
	WB2RYY		106	57	59					NY		
	WB4HBS		106	59	59					THOMAS - NC		
	KA4PAY		106	56	59					ELLA - NC		
	K8NXi		106	57	59					- oh		
	K3ACi		106	58	59					RICH		
	K2SGX		106	59	59					NJ		
	WD4HBU		106	59	59					NC		
	K3LOM		106	59	59					HENRY PA		
	K2NJ		106	57	57					BILL		
	W3OTC		106	59	59					BOB MD		
	W8CMS		106	59	59					CLAIR - oh		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
	W1RJA	SD.	106	59	56					-CT.		
	WB3FVB	.	106	59	59					Gus - DC		
	WA3 G4W	.		56	59					- MD		
	K4HZS	.	122	59	59					Bill - Va		
	WA3IMT	.	122	57	59					Dick -		
	W2ZKE	.	122	59	59					Bill - NJ		
	K1JRW	.	122	56	54					Rick - MA		
	WA3 GOO	.	122	59	59					Vic - Pa		
	K3QMX	.	122	59	59					Chuck - Pa		
	VE1AVX	o	122	57	55					- .		
	K1SF	.	122	59	55					- MA		
	Ve1 BONN	.	122	59	59							
	Ve1 DXA	.	122	59	59							
	WQ1KDR	.	122	57	57					CT		
	K1JCL	o	122	55	55					CT.		
	K1LXD	.	122	59	59					CT		
	K3SZY	.	122	59	59					Pa.		
	K2MuB	.	122	59	57					NJ		
	K2JF	.	122	59	58					John - NJ		
	W1JDS	.	122	41	55					-		
	WB2CML	.	122	56	59					- NY		
	N8 AXA	.	122	57	59					- oh		
	W1SUZ	.	122	55	56					Dick - CT		
	WB3CBB	o	122	56	55					- Pa		
	WB2CQO	.	122	56	59					Carl NJ		
	K3WRD	.	122	59	59							
	N3BBI	.	122	56	59					Mike - Pa		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
9-05												
1355	N4EJG		50.122	59	59					Curtis NC		
	WA3ZAR		.122	57	59					Frank MD		
	WB3KNU		.122	57	59					Pa		
	N9CC		.122	55	55					Randy NC		
	WA3DMF		.122	57	59					Walt - MD		
	K3RLI		.122	57						Ed -		
	WA4VMC		.122	59	59					- NC		
	KL7GLK		.122	52	59					Karen - MD		
	W4CKD		.122	59	59					Bob - Va		
	VE1ASJ		.122	55	55					-		
	VE1RC		.122	55	54					-		
	WB2VKA	(VLA)	.122	57	57					Dave NJ		
	WA8BBR		.122	55	53					Chas - oh		
	K1VGA		.122	57	57					John - Ct		
	WB4HYE		.122	59	59					Tom NC		
	W2BNY		.122	59	59					Dave NJ		
	WB4DBB		.122	59	59					Herman Va.		
	WD4CXU		.122	59	59					Roy - Va		
	WB8KRY		.122	56	55					Joe - oh		
	WB8JQV		.122	56	56					- Mi		
	WB8BKC		.122	57	59					- Mi		
	K8EFS		.122	59	59					- Mi		
	WB1FUB		.122	56	56					Arnie - Ma		
	K1ZFE		.122	58	58					-		
	WA4MSQ		.122	57	59					Ronc - Ky		
	WD4RCO		.122	59	59					- Ga		
	K8WK2		.122	59	59					Dave - Mi.		

Need Male N - ~~Male~~ Female U - (2)

UG-93/U - (Amp 748GB)

Female N / Male UHF - (10)

UHF bunnels (10)

Male Norsat Tower - 6 meters -

Female - Norsat " - 2 meters

7/05181 - GT original HST

TBGen - 28.9ov 1.4 to 1

.7ov 1.22 to 1

.6ov 1.1 to 1

.5ov 1.22 to 1

- 1.8 to 1

.3 2.3 to 1

.2

.1 2.6 to 1

- 2.0 to 1

14.0 - 1.55 to 1

.1 1.22 to 1

.2

.3 1.05 to 1

.4 1.2 to 1

21.0 - 2.3 to 1

.1 2.0 to 1

.2 1.6 to 1

.3 1.2 to 1

.4 1.3 to +

.5 1.9 to 1

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 7-05	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
1551	K3CNH	50.	110	59	59					Clay DEL 3840		
	K11KN			58	56					(VP5DYC)		
1556	K11KN		.112	58	58					MZK - RI		
	AE3+	50.	·	58	58					(VP5DYC)		
	WB3	41			75							
	WD4MUO			59								
	W1RDA		59	59						ED		
	KA1BRD		56	59								
	W1HDQ		59	59								
	W3BWU		57	59						ED		
	W2LT		59	58								
	W3HQT			59						BILL		
	W1CCS		59	58						CON.		
	WA2BPE		58	59						TOM		
	WB2RYY		59	59						Rotary		
	KA1BXB		59	59						CON. TOM		
	KA1BXD		59	59						CON		
	AA4RM		59	59						Atlantic Marty		
	KA3ECK		58	59						Mac		
	K3DMA		59	59						Jeff PA		
	K3LOM			57	57							
	WA1UQC			58	55					David		
	N2BFJ			58	55					John		
	WA3DMF			56	57					Va.		
	WB2EOK											
	K4GBOK		58		59					Va. Marion		
	K3QMX		56		57					PA:		

6 VP5DVL W3HNK

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 7-05	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
	K3CFA4		5mhz	56	56					Rory		
	W2IDZ		,	59	59					ED		
	WA2CWA			59	59					N.J. Pete		
	K3RQF4			55	55							
	K3IUN			59	58							
	~~ZCA~~											
	WA3YZL		58	59						Paul		
	K2LZE		67	5-6						NY Mike		
KA4	AOK			59	59					AL. Rod.		
										~~Rod~~		
	WA3EWH			58	59					W. Pa Susan		
2036	N4AGC			56	58					MARVIN - NC		
2042	WB1FVS			58	58					TOM - CT		
	WA2CWA			58	59					- NJ		
	N4JS/5			59	59					- MS		
	W2CNS			57	55					BOB - NY		
	WB4NIP			59	59					PAT - FL.		
	KA3ECK			59	59					BEN - MD		
	K4GMP			59	59					JERRY - NC		
	W2LW			59	59					BOB - NY		
	~~WA4DT~~				59					~~SC~~		
	WA4SKG			59	59					JIM - FL		
	W3ETB			59	59					- Pa		
	WA5WUX			59	59					Charlie - MS		
	K2OYS			59	59					- NY		
	K1DAT			59	53					- MA		

VP5D4L ↓

WD4WK

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 7-05	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) (country, program, antenna, receiver, etc., for SWL)	QSL S	QSL R
	W2LT	X	59	58	59	.104				Hal C - NY		
	W4CPZ		59	59		.104				Ray - SC		
	W2HTH		55	55		.104				Hank - NY		
	KL7JGi/4		59	59		.104				Dave - Fla.		
	WB2MA;		55	55		.104				Bill - NJ		
	K1MUC		55	55		.104				Wayne Ma		
	WD4MYM		57	57		.104				- NC.		
	W2iD2		57	57		.104				ED - NJ		
	WB2CZB		59	59		.104				Mario - NJ		
	WD8OXK		57	54		.104				- Oh		
	[redacted]											
2100	WA2CQC		55	55		.104				Caz - NJ		
	N4QH		55	59		.104				- Ga		
	WD4MGB		59	59		.104				Bob - FL.		
	W2CAP/1		55	59						-		
	N2BFJ		55	55		.104				- NY		
	W1GZS		57	57		.104				Merle - Me.		
	K3iWK		57	57		.104				Charlie Pa		
	WD2AKA		55	57		.104				- NY		
	KA1BRD		57	59		.104				- CT		
	KA1CXC		44	59		.104				-		
	WA1RDL		59	59		.104				Dave -		
	W1WHL		44	59		.104				- CT		
	WA1BAR		55	54						- CT		
	KINDF		57	57		.104				- Ma		
	K1OQX		57	57		.104				Randy - MA		
	WA2DPJ		59	59		.104				- NY		

a3WVP UR RST ..

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 2054	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
	K2 JFV		55	51						- NY		
	K3QMX		56	57						-		
	KB4NN		57	59						Phil - Oh		
	WA8RCN		55	55						- Oh		
	WA4UAS		59	59						Bob - FL		
	WA2BPE		55	55						Tom - NY		
	W1GKE		57	59						- Ma		
	WA5AAG		55	57						- LA		
	WA5UHD		59	58						- CA.		
	WA1HQC		58	55						Dave - CT		
	WB8PLP		55	55						Jim - Oh		
	W1IMM		56	56						- Ma		
	WA1WJQ		56	53						- Ma		
	WA3WVP		579	59						-		
	WA9ETW		55	57						Mark - Wisc		
	WA3AQA		55	55						Wade - Pa		
	KA8HQU		59	59						- Oh		
	K1RAP		44	58						Ma		
	WB1ABI		44	59						Pete - Mc		
	W1AJR		59	59						Andy - RI		
	AA4RM		59	59						Marty - Ga		
	WD4LJY		59	59						Bud - Fla		
	WA4HMJ3		59	59						Fran - AL.		
	W1CCS		59	59						Bob - CT		
	W2BYM		~~58~~	58						Mel - NJ		
	K4KLK		57	58						- SC		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME J-05	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
2143	WA1NQV		55	55						Tony MA		
	WA2YVE		57	59						NY		
	W4WHK		59	59						FL		
	W8WG		57	59						Bill OH 1879		
	WB2AUW		58	58						NJ		
	KA3AYY		57	57						Bob - Pa		
	K1LPS		44	57						Les - VT.		
	WB[illegible]BVR		59	59						Home CT		
	W1HDQ		59	59						ED - CT		
	W4BE		59	59						- Fla.		
	KA1PE		59	59						- Me.		
	WB3LJK		58	59						- MD		
	WB8VYF		59	59						- Oh.		
	K8BX		55	55						Bob - Oh.		
	WA4WIL		59	59						- NC		
	W2KFC/4		59	59						Lee - [illegible] Va		
	W1BDC		57	59						Bob -		
	WA1MGC		57	59						Dus -		
	K1MNS		59	59						Lunch NH		
	N4AQA		57	57						- AL		
	WB1AAG		57	59						George - CT		
	WA4GBE		57	58						Hamlin - NC		
	WB3AIT		57	57						Ed - Pa		
	K[illegible]2											
	W2MPK		59	59						Don - NY		
	W8ONQ		59	59						Jim - Oh		
	W8ULC		59	59						Rod - Oh		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

VE2FIZ

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur / CB) (country, program, antenna / receiver, etc., for SWL)	QSL S	QSL R
7-05												
2210	WA8OGS			59	59					Joe Oh.		
	N8[redacted]	BPB		59	59					- Oh		
	VE2EFL			59	59					- Que.		
	WQOEH			59	59					Wayne Ind.		
	W88IGY			59	59					- Oh		
	KA1CDZ/BS			57	58					- Ma		
	WA9DYT			59	59					Gou - Im 3177		
	VE2FIZ			579	59					-		
	WB8CTX			57	59					Rud - Oh		
	WA1MMP			59	59					- VT.		
	K1ICM			55	55					Ken - RI		
	K8VVV			59	59					Red - Oh		
	W3JMY			59	59					Hank - Pa. 219		
	W8NJR			59	59					Bike - Oh		
	K3GIY			57	59					Drum - MD		
	VE2[redacted]	EFL		59	59					-		
	W1JR			57	57					- Ma.		
	WA2TPU			57	53					Don - N.Y.		
	W8IDU			599	57					- Oh		
	W2VO			59	59					- NY		
	NØKV/4			59	59					- Va		
	W2ISB			59	59					- NY		
	ACIT			59	59					- Ma		
	WD8ARH			59	59					- Mi -		
	K2QWD			59	59					- NY		
	KA1APR			59	59					- Ma.		
	N8CI[redacted]			59	59					- Oh		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 7-05	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
2302	WD2AKA		59	59		50.104				NY		
	K2JFV		59	59		.104				Jack NY		
	N9 [redacted] CEX		59	59		.104				IL		
	WA 8 DYX		58	58		.104				oh		
	WA9 AHZ		59	58						Gene IL		
	W5 AUQ		59	59		.104				FL		
	WB9 N[redacted]4		59	59						MI.		
	WB8 WX2		59	59						Frances - MI.		
	WA4 MSN		59	59						Others - FL		
	WA3 KFN		59	59						- Pa		
	K2MP		59	59						Ed - NY		
	VE3CRU		59	59		.104				Hans - ONT.		
	K9 APW		59	59						- WISC.		
	WB2OTH/4		59	59		.104				- FL		
	WB4 WBG		59	59		.104				NTAC - FL		
	WBØNRC		57	58		.104				COL		
	NØLL		55	59		.104				Harvey - KY		
	W9NFE		59	59		.104				Barje - Ind		
	K9DZE		59	59		.104				- Ind		
	N8 BBN		59	59		.104				Oh		
	WA9BTT		59	59		.104				IL		
	KA9ALT		57	59		.104				Ind		
	AE9M		58	59		.104				IL		
	WA9KGQ		59	59		.104				WISC.		
	WAØFDH		59	59		.104				MN		
	KØSE		59	59		.104						
	WØKRX		59	59						MN		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 2/5	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
	WØVB			59	59					MW.		
	KGHMB			59+MW	59					Ill.		
	WJGIP			59	59					Ill.		
	KGPQQ			59	59					Ind.		
	WAØCJO/G			59	59					Ill.		
	WGMA			59	59					Ind.		
	VE3ECP			57	59					ONT		
	NGRS			59	59					IL.		
	NGAIG			59	59					IL		
	WBGEDP			59	59					IL.		
	WAGUEW			59	59					IL.		
	KGJWU			57	59					Wisc		
	WAGFYB			59	59					Loz. IL		
	WAG[redacted]DLV			57	59					- Ind		
	KBGOH			57	59					- Ill		
	WBGYAY			55	59					- Ind.		
	WBG FEV			59	59					SC		
	WA2TMC			57	57					- .		
	WBØPKN			59	59					JOHN - MO 7093 88/97		
	K4Ø[redacted]X			57	57					-		
	WBG RJN			55	55					IL		
	WØKU			59	59					- Col.		
	WDØB2A			55	57					- Col		
	KØ HQF			55	55					Carl - Mo		
	WA3 BS2/4			59	59					Fla.		
	WBØ KAG			59	59					Jeff Mi		
	K5CM			59	59					OKLA.		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 7-05	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
2340	WA8IPG		59	59						Wally - Mi.		
	N5KW		59	59						OK		
	W9KFO		59	59						Ind		
	K8IXY		59	57						Mi.		
	K3QFY		59	59						Paul Pa.		
	WB8GEX		57	57								
	KA8KJW		55	59						Col		
	WA3USH		53	57						DTRC		
	N5KW		59	59						OK.		
2345	W3BWU		59	59						Ed Pa.		
	KA4GCM		59	59						Jotter Fla		
	K5SW		59	59						OK.		
	[redacted]											
	WØCU		59	59						Jim - KW		
	WA4[redacted]TNB		59	59						Dave Ga		
	WD9INN		57	57						- Ind		
	WD8CFN		59	59						- Mi		
	WB9RFK		59	59						- Wi		
	WBØLTV		57	59						Co. Sweepstakes 2601		
	K[redacted]9AAS		59	59						In		
	W3CSA		59	59						Frank Pa		
	WA8HHH		59	59						Jerry Mi		
	W8JMD		59	59						- Oh		
	WA3WYZ		59	59						Ray Pa		
	WA8WJO		57	59						Mi		
	W3ASL		56	56						Ronny Pa		
	WA4AXJ		59	59						Fla		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
705												
	N5DDB	SD.	104	59	59					OICLA		
	W5NZS	.	104	55	59					OKLA		
	KC4XX	.	104	59	59					FLA.		
	KA4[redacted]TSB	.	104	59	59					FLA.		
	WA4VSH	.	104	57	57					Joe - AL.		
	W5[redacted]EGDL	.	104	57	59					- OKLA.		
	KAØCDN	.	104	57	59					- COL.		
	KØZXP	.	104	57	57					Duane - MO.		
	WØiJR	.	104	57	57					- COL.		
	W8QOi	.	104	44	55					-		
	WA5LiG	.	104	55	55					- TX		
	W4LTJ	.	104	55	57					- TN		
	KA4DVH	.	104	57	59					- FLA		
	WB5ROR	.	104	57	58					- TX		
0017	WB5TNC	.	104	55	57					- TX		
	W5EU	.	104	55	55					- TX		
	WB4CTW	.	104	59	59					- TN		
	N5WM	.	104	59	57					- TX OICLA. BJ71		
	KA4[redacted]YF	.	104	59	59					BJ0 FL		
	W9NAW	.	104	57	58					Bill - Wisc.		
	WDØ[redacted]CHO	.	104	57	58					Jim -- COL.		
	K9HSS	.	104	44	56					ED WISC		
	WB4UCW	.	104	59	59					Benny - FLA		
	NØAiT	.	104	58	55					CURT - SD.		
	WB5CHW	.	104	59	59					Jim - TX.		
	WØSD	.	104	55	55					ED - SD		
	WD[redacted]ØFUG	.	104	55	58					Lonnie - COL.		

12 VDC — 3 wires - out of PI/Switch

+ ⇒ Coil Relays -

— ⇒

+ ⇒

2 Relays - +/— direction

In Bi - switch Relays -

typ. Thru

Upon

In PAC

WATERWAY

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

Nets - 7268 — 1200 KB4OB

18 2/12

DATE TIME 7-05	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL 4	QSL R
										WB2JAH	5 2 3		
0033	WD5IOA		50.164	32	52					- LA -	3 2	4	
	WAØUFS			56	56					- SD -	1 8		
	W[redacted]FT			[redacted]						- CAL. -	342		
	WD5ABF			44	55					- TX -			
0039	WB5LBT			33						- LA - 5 WATTS			
0116	NØZA		50.117	[redacted]	55					RON - CAL.			
7-06													
1325	WA5UUD		50.109	59	59					JACK - LA.			
	WA4H[redacted]		.109	59	59					- AL			
1436	K4FJW		.109	58	58					TOM - Va.			
	K4JU		.109	59	59					JACK - TN			
	W4GJO		.109	59	59					- Ga			
										2 more - 2345/0025			
2214	WA5UFH		.109	55	55								
7-07													
0019	KB3H3/2		7.180	59	59					NJ/ ALLEN			
0157	W2YV		3.830	59	59								
0157	K1DG		3.830	59	59					DOUG - VT (KC4WA)			
0215	KC4WA		7.199	59	59+5					GENE - Va. 3830			
0223	K1EJ		7.264	59+10	59					JOHN/NH4I3 WB7 PMP			
1583	UKRGKW		21.203	59	59					LARRY - 134.2/112.6 21.345 -			
1589	G3MWG		21.198	59	59					DAVID - LONDON HC8			
7-09	-									14.210 - /			
0015	X	K4GOK	50.105	57						I 8CHP/MARION - VA.			
1414	VE1AVX	X	50.102	59	59					BOB - 2A2 WD8JYM/			
14	W2AXH		.102	57	57					JACK - WB8			
	X	KIJRW		57	59					RICK			

UK2GKW

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 7-08	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
1422	N8 AKY		102	57	59					(Mi		
	VE1AVX		102	57								
	WA1CPX		102	57	57					BOB RI		
	WB9NTL		102	59	59					KEN IND		
	WB2GKB		102	57	57					RICH - NJ		
	WB 8UNT		102	59	59					PAUL - OH		
	K4KLD		102	59	59					JOE - GA		
	WB8JHT		102	57	59					BOB - OH 3U7		
	WA3 DMF		102	57	57					WALT - MD		
	W 1 JFF		102	57	58					- RI		
	WD9HGC		102	57	57					- IL		
1529	KB5XQ		109	58	58					KEN - TX		
	W3 PCB		109	59	59					BILL - MD.		
	WB4 BND		109	59	59					HOPPY - FL.		
	WB3 EQZ		109	55	55					KEN - PA.		
	WA4UKX		109	59	59					GENE - SC		
	WB4iuS		109	59	59					ED - VA		
	WD4AEM		109	59	59					- SC		
	KR 42		109	59	57					HAROLD - TN		
	WB5 4iW		109	56	54					- ARK.		
	WA9D4V	4	109	55	59					STEVE - MOBILE TN		
	WB4 NBE		109	59	59					DENNIS - TN		
	N4Ci S		109	55	55					TOM - GA.		
	WB4SBU		109	57	59					HANK - KY.		
	NØLL		109	58	58					LARRY - KN.		
	WB 5 4i W		109	56	56					BRYAN - ARK.		
	WD4CU K		109	59	59					- GA		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

W2ABX

DATE TIME 7-08	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL] HUQ	QSL S	QSL R
1654	WB4YOU			56	56					-NC		
	W4HCT			44	59					Gene - Ga.		
	W4DCL			59	59					-NC		
	WD4NDQ			59	59					-AL.		
	KC4KIC			59	59					BRIAN -AL		
	WB8CMS			55	55					CLAIR - Oh. KD8ODA		
	WB0PKN			59	59					JOHN - MO.		
	WB5CKO			59	59					DON - TX		
	WD2AFH			56	56					- NY		
	K4HAV			44	55					- Ga		
1605	WB4FEV			56	59					- SC.		
2310	W7ABX			53	52					Ive - NV.		
7-09-81												
0114	KB7Q[redacted]			51	57					Gene - MT		
	[redacted]									117.4 W7XF		
0135	~~N7ALi~~	X		~~44~~	~~57~~					~~-WY.~~		
0136	W4UD			57	57					-Ill N7ALi 109.9		
0142	WØSF		113.2	55	57					NEWC - Io. NØNJH		
1255	WB3JCG/8	50.	147.	56	56					KEN -Oh WAØIWF		
1259	KA8CGU		.147	59	59					JoeB.11 - W.Va		
1302	K8ZNX		.147	59	59					JOHN - W. Va		
1303	IC3THP		.147	59	59					ED - Va		
1335	WA8OGS		.115	59	59					Ive - Oh		
1339	K3IU4		.115	59	59					IRV - Pa		
1341	WA4UAF		.115	59	59					- Va		
1342	[redacted]	K8JKW	.115	59	59					- WVa		

~~KA8ICW KA8IKU WA8~~ W8ICW

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 7-09-81	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
1342	W4CKD			59	59					BOB - - Va.		
"	N2CLY			59	59					- NJ		
"	N2CLX			59	59					- NJ		
"	WA2UDT			59	59					- NJ		
"	WA8LX[redacted]J			59	59					- oh		
"	W8OJN			59	59					ARNOLD - oh		
"	WD8ICTX			59	59					- .		
"	W4BGW			59	59					BOB - Ind		
"	K3HFV			59	59					GUY - MD		
"	WA8LTV			59	57					- oh		
1350	WA2CQC			44	59					- NJ 3W		
	K3RES			59	59					BILL - MD		
	WB8GEW			59	59					ADRIAN - oh		
	N9BWB			59	59					SCOTT - Ind.		
	N8BBN			59	59					RON - oh		
	WD4GYN			59	59					STEVE - TN		
	N8AXA			59	59					AX - oh		
	WB3JCG/8			59	59					KEN - oh		
	N1BBV			44	54					-		
	K4FJW									144.190		
1423	WB2R44			59	59							
	WB3BFK			59	59					ERNIE - MD		
	WB9EVO			55	55					- ~~Ind~~		
	WA4TJW			59	59					- FL.		
	KN4X			59	59					BOB - NC		
	W9JMS			59	59					HUNTER - Ind.		
1430	K4GMP		144.202	59	59					JERRY - NORTH CAROLINA / TWO METERS		
	N4ECG		50.103	59	59					BILL - KY		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

N5MVC 3088

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) country, program, antenna, receive	QSL S	QSL R
7-09-81												
	WB4AEG		50.							K4CAW - AL		
	W4GJO									WD8 QTX - Greenville		
	WA8WXT		50.	57	59					Lou -		
	AK4T			55	59					- Ga. N4FRV		
	K4FJW									- 146.610		
	K4KAL		50.							Jim SC		
	[redacted]											
	K8TMT			59	59					Bill - oh. [redacted]		
	N8AXA			55	55					-		
	WD8 MIL			55	S					- VPSD		
	WØBZT			56	53					Jack - Mo.		
	N5WM			59	59					VPSDYL		
	W5YEJ			58	59					steve		
	WB5WEH			59	59					Carmen		
	N5ARS			59	59					Bill		
	WB2OTK									Rich		
	[redacted]											
	KB4WM			59	59					John		
	AK4/WD4MJS			56	58							
	WD4RCO			59	59					Dave		
	K4CKS			59	59					al N. Ga.		
	[redacted]			55	55					ant		
	KB7WW			55	55					ARS OR		
	N7OB			54	54							
	N7DB			64	64					VPSD		
	W7FHI			53	55					Wa		
	W7FHI			53	54					VPSD		

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 7-09	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL] VP5D4L	QSL S	QSL R
	NW0SFZM		55	55						Gene		
	K0S1		55	55						~~2~~ Paris		
	A5GAW		.	54	54							
	WA4HCGH			59	59					Dick Huntsboro Jr.		
	WB4BSZ			59	59					Rob		
	WB5CK●			56	57					Houston		
	W4YYS			59	59							
	WA~~4~~VM			56	59					Jenn. Rick		
	WA4MSN			59	59					orlando.		
	WB4NBE			58	58					Jenn.		
	WA~~4~~WA MUL			59	59							
	WB4 ~~FF~~			59	59					Ed		
	WA4BBW			59	58					Bob		
	WB5-ROR			59	58					Paris Jr		
1745	K5-FF			59	57					Lee		
	K5-FF			59	.					Lee B VP5D		
	W5-FF			59						Lee B VP5D		
	WA4NMX			59	59					Hugh		
	~~AK4T~~ AK4T			59	59					Ga Dick		
	W5VY			56	56					Pat		
	WD4CUK			59	59+20					Bill N. Ga		
	NO CCW P+S			54	56							
	KA5CPS			57	57					Lee		
	WA5OLT			58	57							
	W7R~~Z~~Y			54						mo.		
	K7KV			55	55					wa.		
	WA4JUM			56	59					Claude		

VP5 04L

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) (country, program, antenna, receiver, etc., for SWL)	QSL S	QSL R
7-09												
	WB4GRE			59	59					Tampa Dick		
	K5JC9			57	59					S. Jer Marey		
	WB4BPU			59	59							
	N4DJR			59	59					Ala.		
	WB4OVT			59	59					Tenn.		
	WB4~~2~~HD			57								
	K7KV			57	57					Wa		
	W5UCX			54	57							
	W5SFW			45	57					amarilla Bird Vertical		
	~~WB~~											
	KB5~~KQ~~			59	58					Dallas KEN		
	WB5RSA			58	58					Colo		
										VP5D4L		
1921	WB4GRE			59	57					Dick -		
	WB4YYO			58	58					Marty -		
	KO5i			57	57					Doug -		
7-10												
2235	EA3BBD			59	59					Joe - Spain (Premia) Sept. 4 AM 05		
2244	EA3VY			59	59					Jose - " OA3 Dax		
2246	DL6QW			59	59					Siegi - Munich, GRMY LJW -		
2249	EA2AFZ			59	59					Jose - Bilbao		
2251	OE3ALW			59	59					ULF - Austria, Vienna		
2253	i5LXW			59	59					Belt - Florence Italy		
2255	4Z4KB			59	58					Ran - Telaviv, Israel		
2256	DL6RAi			59	58					Bova -		
2258	4X4KP			59	59					Dov - Ashret, Isi		
	G3JHK			59	59							

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use					Remarks	QSL	
					MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	(Name, type of equipment and notes on purpose of communication for Amateur & CB) (country, program, antenna, receiver, etc., for SWL)	S	R

Hy Tower - No Tuner 7/06/81

3.5 1.9 to 1	7.0 1.35 to 1	14.0 2.1 to 1	21.0 2.9 to 1
3.6 1.35 to 1	7.1 1.4 to 1	.1 2.3 to 1	.1 2.85 to 1
3.7 1.20 to 1	7.2 1.49 to 1	.2 2.4 to 1	.2 2.95 to 1
3.8 1.6 to 1	7.3 1.55 to 1	.3 2.5 to 1	.3 2.55 to 1
3.9 1.9 to 1		.4 2.5 to 1	.4 2.4 to 1
4.0 2.2 to 1			.5 2.05 to 1

TBG 7/07/81 No Tuner -60° Third Switch

28.0 2.8 to 1	14.0 2.1 to 1	21.0 3.8 to 1	28.0 3.2 to 1
.1 2.9 to 1	.1 2.1 to 1	.1 3.3 to 1	.1 2.3 to 1
.2 3.0 to 1	.2 1.8 to 1	.2 2.3 to 1	.2 1.5 to 1
.3 3.1 to 1	.3 1.4 to 1	.3 1.7 to 1	.3 1.05 to 1
.4 3.1 to 1	.35 1.31 to 1	.4 1.95 to 1	.4 1.2 to 1
.5 3.4 to 1		.45 2.3 to 1	.5 1.45 to 1
.6 3.6 to 1			.6 1.5 to 1
.7 3.7 to 1			.7 1.3 to 1
.8 3.6 to 1			.8 1.3 to 1
.9 3.6 to 1			.9 1.5 to 1

Hy Tower 6/07/81 w/ 8 grounds - No Tuner

7.0 - 1.28	3.5 - 2.1 to 1	14.0 - 2.0	21.0 3.9
7.1 - 1.42	3.6 - 1.95	.1 - 2.0	.1 4.0
7.2 - 1.65	3.7 - 1.95	.2 - 2.0	.2 3.8
7.3 - 1.80	3.8 - 1.82	.3 - 2.0	.3 - 3.2
	3.9 - 1.87	.4 - 2.1	.4 - 2.8
	4.0 - 2.0		.5 - 2.5

LOG APPLICATION: ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening

DATE TIME 7-10	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
	G3EHL			59						SU1AB SU1AL		
2300	4240M			56	56					10G - Geza		
	LU5HEN			59	59					NELDO Cordoba Arg.		
	G4KNB			57	57					RON - Manchester		
	ON5AB			59	59					JACK -		
	EA3CTI			59	59					PEDRO -		
	I5UIG5			59	59					PAUL - Florence, Italy		
	IS4YEJ			58	58					Frank - " "		
	EA5BVK			57	57					-		
	EI4BB			59	59					BRIAN -		
	G3PSV			56	58					DAVE -		
	G3UWK			55	57					BOB - Birmingham		
	EI6DT			59	59					TONY - Dublin GW8AR		
	OE4MSS/1			59	59					MANFRED -		
	EA7AVW			58	59					DON -		
	EA3VY			59	59					- (0015 - 21.220)		
	VO1IF			55	55					BRIAN - ST. JOHN -		
	PA3AAN			59	59							
711	EA3BFR			58	56					GEORGE - BARCELONA - 830AM SD. W.Va - 148		
0015	EA3VY		21.22	59	59					JOSE -		
0018	EA3VY		14.12	59	59					" Hi 8 DAF		
0023	EA3VY		7.098	58	58					"		
				END						7-11-81		
1735	4X6DX		28.595	59	59					5935 - ISRAEL TU2JC (11)		
1748	OK3CFA		28.517	57	59					5928 - SB4CW		
2219 7-12	XE3VV		28.665	59						ALBERT - TA0ASW -		
1734	6W8AR		28.575	59	59					5946 WB4LXM		

6 MTR / 2 MTR ROTOR

How down to base

#1 — 2 Whites + Blue
#2 — 2 Blacks + Blue/Black
3 — Red
4 — Red Black
5 — Orange
6 — Orange/Blk
7 — Green
8 — Green/Black

INSIDE (TW12 plus Rotor Cable)

Wh TW12 — Wh
Blk TW12 — BL
Yellow — RD
Blue — OR
Orange — YLW
Brown — GRN
Green — Blue
White — BRN

OUTDOOR - Bottom Room

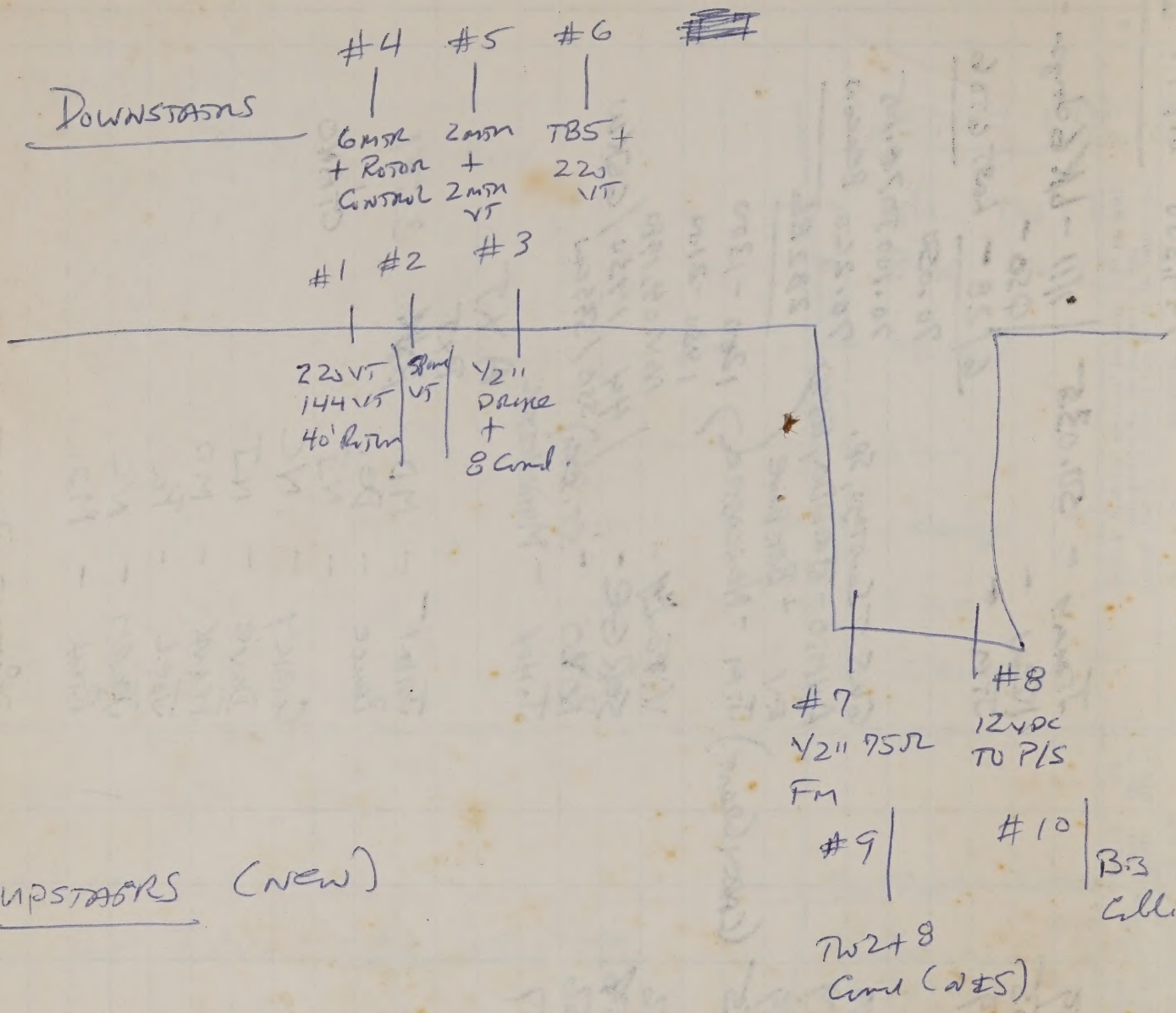
INTO HOUSE	OUT OF ROTOR
Wh TW12 —	Wh Hvy
Blk TW12 —	Blk Hvy
Yellow —	Red
Blue —	Blk Small
OR —	Wh Small
Brown —	Grn
Green —	Blue
~~Red~~ —	~~White~~
White	Brn

HF ARRAY - Hvy Rotor Cable

#1 — 2 Whites + Blue
#2 — 2 Blks + Blue/Blk
#3 — Red
#4 — Red/Blk
#5 — Orange
#6 — OR/Blk
#7 — Green
#8 — Green/Blk

PP7ZMG LOG APPLICATION: 50.035 ~~VK4EF~~ ☐ Amateur Radio ☐ Citizen's Band ☐ Short Wave Listening 6/4/6/4

DATE TIME	STATION CALLED OR MONITORED	CALLED OR MONITORED BY	HIS FREQ. OR CHANNEL	HIS SIGNAL STRENGTH AND QUALITY	For Amateur & CB Use: MY SIGNAL RST	FREQ. OR CHANNEL	EMISSION TYPE	POWER INPUT (WATTS)	TIME OF END OF QSO	Remarks (Name, type of equipment and notes on purpose of communication for Amateur & CB) [country, program, antenna, receiver, etc., for SWL]	QSL S	QSL R
2228			28.885									
7-13	ZB2BL		~~28.~~		59	59				Jimmy - 50.035	7/11 - 6K6 days	
	G5IKW				55	55				KEN -	QSO -	
	N3AHi				59	59				JIM -	6/28 - LAST QTO6	
											70.050	
7-14											70.100 TO 70.105	
0055	EA1IV		28.549		58	59				GUS - SANTIAGO, SP.	70.260 BEACON	
0102	H21H2		.549		59	59				AHMIO - EGYPT	ZB2BL	
0112	VK4EF		.613		59	59				EV - BRISBANE		
0136	VK2ZC		.613		55	55	(CARY GRANT)			JIM - NEWCASTLE	1200 - 1300	
											1830 - 2100	
2003	UA9AXT		.602		44	56				VITALY -	NOV. 04, 1990	
	UB5JMK		.602		44	58				SERGE -	44 1430 / 6SKW	
2010	Y43F2		.602		57	56				BOZO - ST. PETE	550 / 595 CW	
	G3JAG		.602		58	57				JOHN - MANCHESTER		
	~~EA5BXK~~		.552		57						AXT	
7-10											BXT	
1805	X	K3AKR	50.109	59	59					JOHN - MD.	13~~K~~ 3541	
1810	X	WA3WUL	.109	59	59					BRUCE - DE.		
1812	X	WB2MAi	.109	59	59					- NJ	CTANO	
	X	WD4MYX	.109	59	59					GORKY - NC		
	X	W2BN	.109	59	59					DAVE - NJ		
	X	WA3ZAR	.109	59	59					FRANK - MD		
	X	[redacted]WB1WC	.109	59	59					JOEL - PA		
	X	K4GMP	.109	59	59					JERRY - NC		
	X	K1HTV	.109	55	55					RICH - MD.		
	TU 605											
2334	CTIANO		14.191	59	59					PENTU - PENTU -		



OUTSIDE

C/2 TEMP

ROTOR

ANTENNA

Lines In

TVRO

7/8ths

#1) – VT AFC TO upstairs
#2) – H3 AFC TO "
#3) – Hero 6 mtr "

1/2"

#1) – Sat Finder – Splts – upstairs & downstairs

TV 545.

.500 – From transmitter output – downstairs
.412 – TV 7 Modulator to Amp – upstairs
DC – 12vDC to Amp – downstairs – to wall plug

1/2" 50Ω #214

#1) TBS – to Ten Tec
#2) 10 mtr – to Device Switch
#3) H4 Tower – to " "
#4) T#3 Jr – " " "

1/2" 50Ω –

#1) 6 mtr to Tower
#2) ~~2~~ 2 mtr to Tower

214

#1) ~~2 mtr~~ 2 mtr VT – single
#2) 220 VT – single

1 1/2" Line In – (2 cons) – Device Switch in – (2 cons)
– (2 cons)

Rotor

~~TW2 + 8 Cond~~ – N Tower
TW2 + 8 Cond – N Tower
TW2 + 8 Cond – S Tower
Big Cable – W Tower
8 Cons – 40' Tower
8 Cons – UHF TV Tower

Misc

#1) LNA TW2 – AFC
#2) LNA TW2 – Hero
#3) 59 Feed Gven – AFC/Hero
#4) TW2(110) – AFC
#5) 8 Cond to Device
#6) ~~500~~ to UHF TV

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